CLAIMS

1. A process for the preparation of a quinazolin-4-one derivative of formula (I):

where R^1 and R^2 are each independently hydrogen or methyl, PG is a protecting group and X is a leaving group;

including the step of cyclization an amide of formula (II):

$$R^1$$
 NC
 R^2
 (II)

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wherein R^1 and R^2 are as defined above and Y is a leaving group; or a protected derivative thereof;

to form a quinazolin-4-one derivative of formula (III):

$$R^1$$
 N
 R^2
(III)

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or a protected derivative thereof.

2. A process as claimed in claim 1 wherein the amide of formula (II) is made by reacting a compound of formula (IV):

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$$R^1$$
 N
 R^2
 R^2
 R^2

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with a cyanide reagent.

3. A process as claimed in claim 2 wherein the compound of formula (IV) is made by a regioselective bromination step from a compound of formula (V) using the reaction step:

$$R^1$$
 R^2
 R^1
 R^2
 R^3
 R^4
 R^2
 R^4
 R^2
 R^4
 R^2
 R^4
 R^2
 R^4
 R^2
 R^4
 R^4
 R^2
 R^4
 R^4

4. A process for the preparation of a quinazolin-4-one derivative of formula (I):

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where R^1 and R^2 are each independently hydrogen or methyl, PG is a protecting group and X is a leaving group;

including the step of brominating a compound of formula (V):

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$$R^1$$
 N
 R^2
 (V)

wherein R^1 and R^2 are as defined above and \dot{Y} is a leaving group; or a protected derivative thereof;

20 to form a compound of formula (IV)

$$R^1$$
 N
 R^2
 (IV)

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or a protected derivative thereof.

5. A process as claimed in claim 4 wherein the compound of formula (V) is made by derivatization of an alcohol of formula (VI):

$$R^1$$
 N
 R^2
 (VI)

6. A process as claimed in any preceding claim wherein at least one of R^1 and R^2 is methyl.

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7. A process as claimed in any claim 6 wherein R^1 and R^2 are both methyl.

10 8. A quinazolin-4-one derivative of formula (III):

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$$R^1$$
 N
 R^2
(III)

where R^1 and R^2 are each independently hydrogen or methyl, and Y is a C_{1-4} acyloxy group or benzoyloxy.

9. An amide of formula (VIII):

$$R^1$$
 N
 R^2
 $(VIII)$

wherein R¹ and R² are each independently hydrogen or methyl, Y is a C₁₋₄ acyloxy group or benzoyloxy and Z is Br or CN.

10. A compound as claimed in claim 8 or claim 9 wherein at least one of R^1 and R^2 is methyl.

11. A compound as claimed in claim 10 wherein R^1 and R^2 are both methyl.

25 12. A process as claimed in any one of claims 1 to 7 wherein the process is used to prepare a quinazoline-4-one of formula (IX):

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$$R^{1}$$
 N
 R^{2}
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{3}
 R^{2}
 R^{3}
 R^{3}
 R^{4}
 R^{2}
 R^{3}
 R^{4}
 R^{4}
 R^{4}
 R^{4}
 R^{4}
 R^{4}

wherein R¹ and R² are each independently hydrogen or methyl;

R³ hydrogen, C_{1-4} alkyl, C_{3-4} alkenyl, C_{3-4} alkynyl, C_{2-4} hydroxyalkyl C_{2-4} halogenoalkyl or C_{1-4} cyanoalkyl;

and Ar is phenylene, thiophenediyl, thiazolediyl, pyridinediyl or pyrimidinediyl which may optionally bear one or two substituents selected from halogeno, hydroxy, amino, nitro, cyano, trifluoromethyl, C_{1-4} alkyl and C_{1-4} alkoxy;

or a pharmaceutically-acceptable salt or ester thereof.

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13. A process as claimed in any one of claims 1 to 7 wherein the process is used to prepare a quinazoline-4-one of formula (X):

$$R^{1}$$
 N
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{2}
 R^{3}
 R^{3}
 R^{3}
 R^{3}
 R^{3}

wherein R¹ and R² are each independently hydrogen or methyl;

 R^3 hydrogen, C_{1-4} alkyl, C_{3-4} alkenyl, C_{3-4} alkynyl, C_{2-4} hydroxyalkyl C_{2-4} halogenoalkyl or C_{1-4} cyanoalkyl;

and Ar is phenylene, thiophenediyl, thiazolediyl, pyridinediyl or pyrimidinediyl which may optionally bear one or two substituents selected from halogeno, hydroxy, amino, nitro, cyano, trifluoromethyl, C_{1-4} alkyl and C_{1-4} alkoxy;

or a pharmaceutically-acceptable salt or ester thereof.